



**Network
Control
Center**

**STDN DAILY REPORT
FOR GMT DAYS
03, 04, 05 AND 06 MAY , 2001**

Part I. Operations

03. MAY

A. SN Anomalies:

1. WSGT/HST Support

03/0227-0228Z

HST reported data dropout. The WSGT TDRS command HPA fluctuated which caused a downlink perturbation. TTR # 23864

STATION EQUIPMENT

TDE MAR-4 0203-0240Z 40 Sec. Svc/Data Loss (Recov)

2. STGT/HST Support

03/0951-0952Z

HST POCC reported losing one tape dump data packet. Reason unknown POCC had to re-dump recorder to recover data.
TTR # 23865

ANOMALY UNKNOWN

TDW SSA1F/R 0946-1016Z 1 Sec. Svc/Data Loss (Recov)

3. WSGT/LANDSAT-7 Support

03/1419-1434Z

Negative acquisition reason unknown Station did not see any RF at start of event. POCC reconfigured the Spacecraft without success. Station sent 2 forward reacquisition GCMR and a forward chain failover from "A" to "B" SHO still failed to acquire.
TTR # 23866

ANOMALY UNKNOWN

B. ISS Anomalies - None.

C. GN Anomalies:

1. WGS/SNOE Support

03/0352-0402Z

SNOE POCC/MOCC scheduled support as a "No Command" event and was unable to turn transponder on. Scheduled LEO-T for next orbit and was able to command and recover data.
CDS # 18615

ANOMALY UNKNOWN

LEO-T 10 Minutes Service/Data Loss Recoverable

2. AGS/FAST Support

03/0623-0650Z

The LEO-T antenna failed to move to the intercept point. TOTS-1 was configured to assume the command roll for this PCL support. Due to efforts to get LEO-T to release the IP sockets TOTS-1 was no go for command until 123/06:27:47Z. All data was received and sent to the project, all commands were processed.
CDS # 18616

COMMAND FAILURE

LEO-T 27 Minutes Service Loss

3. AGS/FAST Support

03/1515-1539Z

At pass start time the HPA failed, no output. The TOTS operator brought up his carrier and acquired the S/C. The commands were entered in LEO-T to shut down command and break command socket connections. The commands were not successful and the command sockets were not broken. The project was unable to command during this support. CDS # 18618

STATION HPA EQUIPMENT

LEO-T 24 Mins Service loss

4. WGS/IMP Support

03/2000-2359Z

Project reported invalid data from the IMP-8 computer.
It appears that the computer has a bad timing card. This will prevent the IMP-8 project from getting any valid data.
CDS # 18619

POCC EQUIPMENT

D. TDRS-3 (1302) Planned station-keeping maneuver was successfully completed.

04 MAY

A. SN Anomalies:

1. WSGT/HST Support

04/0025-0032Z.

HST was unable to command their Spacecraft for the initial 5 minute 59 seconds of this event due to a OSPF failure which occurred at 03/2309Z on the previous event. To clear the anomaly HST switch back to the prime command system. TTR # 23868

NASCOM ANOMALY

TDE SSA1F 0025-0102Z 5 Min. 59 Sec. Svc/Data Loss
(Non-Recov)

B. ISS Anomalies - None.

C. GN Anomalies:

1. SGS/QST Support

04/0116-0127Z

QMOC reported post pass they failed to get socket connection until four minutes before LOS reason unknown. SGS had good connections throughout the support. CDS ID # 18624

UNKNOWN

11 METER 0116-0132Z 11 Min. Svc/Data Loss (Recov)

2. WGS/SAMPEX Support

04/0336-0346Z

Project reported on day 124, non receipt of real-time data and that commands were not up linked. TOTS operator verified that FEP # 1 did have low VC frame counts but that the command function appeared to be normal. An immediate post-pass playback from FEP #2 was performed and all data was recovered. Reason for command problem is unknown. System was rebooted and following supports were nominal. CDS # 18625

UNKNOWN

TOTS 2 Minutes Service Loss

3. SGS/LSAT-7 Support

04/0944-0959Z

No socket connection established during orbit 10919 on the SGS PTP desktop. We were able to ping LS7 control. Real-time data recorded on tape, no 256k dump and no commands. CDS # 18626

PTP SOCKET FAILURE.

11 Meter 14 Mins. 16 Secs. Service Loss

4. AGS/LSAT-7 Support

04/2122-2124Z

The entire support started good. AOS was established on time, Project reported good lock and good data flow. At 21:22:50, I noticed while scanning the instruments that the X band on the Spectrum Analyzer started to degrade. It had begun degrading about 10 seconds before I caught it. I placed the system into program track and the X band snapped back and became stable

within 25 seconds from the time it degraded. This time was gathered from a playback of the tapes. After X band had stabilized, I went back into auto track and finished the pass with no problems. ViaSat will be here for maintenance shortly and I will discuss this anomaly with them if they are engineering types. I will continue to investigate this problem. CDS ID # 18636

UNKNOWN

11 Meter X-band data degraded

05 MAY

A. SN Operation - None.

B.ISS Anomalies:

1. ISS Support

05/1657-1801Z

ISS reported not receiving data just clock on 50MB line. After investigation it was determined to be a problem with the HDRS at Houston. Although equipment was scheduled for the listed times data was not expected throughout the event. Data is recoverable. TTR # 23869

POCC EQUIPMENT

171 KSAR1 1642-1731Z 10 Min. Data Loss (Recov)

TDS KSAR1 1730-1802Z 14 Min. Data Loss (Recov)

C. GN Anomalies:

1. WGS/SEAWIFS Support

05/0440-0453Z

Master requested control of SCC but SCC did not respond. No AOS, LOS, Start Prepass or Begin Track times were displayed on SCC Attempted to manually schedule pass and was able to load event. AOS time displayed was not correct

but the antenna did move to a false intercept point. Forced system into program track with no change in antenna pointing angles. Manually deleted pass when 5 minutes into scheduled event had elapsed. Re-booted entire system and will monitor next scheduled event for anomalies. CDS ID # 18638

UNKNOWN ANTENNA FAILURE

11 Meter 9 Min. 30 Sec. Svc/Data Loss (Unknown if Recov)

06 MAY

A. SN Anomalies:

1. TRMM Support

06/0014-0034Z

Station Operator error following a scheduled C3SA-2 USS cold-start, SGLT initialization was overlooked. As a result, service was not properly configured. TTR # 23870

STATION OPERATOR ERROR

171 SSA2F/R 0014-0034Z 20 Min. Svc/Data Loss
(Unknown if Recov)

B. ISS Anomalies: - None.

D. GN Anomalies:

1. MGS/RADARSAT Support

06/1847-1851Z

The operator misread the scheduled date which caused the pass not to be scheduled. CDS ID # 18685

OPERATOR ERROR

10 Meter Antenna 1847-1851Z 3 Min. 18 Sec. Svc/Data Loss
(Non-Recov)

Part II . Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes - None.

\$ = Changed ETRO

** = New Items

Part IV. Scheduled Activities:

TDRS-I Engineering Testing With AGO (DSS-74) 07/1300-1530Z

Performance Testing Of ERBS New TAC System 07/1430-2359Z

AGS/SGS/WGS TERRAGSIP Parallel Operations 07/1602-1614Z
Phase III Test

GOES-M Contingency Command Storage at DSN DSS-46
07/1700-1900Z

Part V. Launch Forecast Changes - None.